# STM-S-24-F868

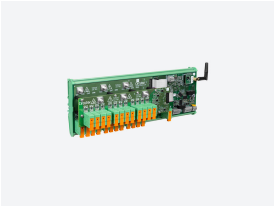
STM-S-24-F868

Code: E85SE3. **DESCATALOGADO**

> Communications: LoRa-868 MHz.
> Digital inputs: 3
> Measure: 30 A
> Power supply (Vac): 24 Vdc
> Mounting: DIN rail

## Application

Supervision of photovoltaic strings in solar farms and self-consumption installations



# STM-S-24-F868

Analyser for photovoltaic strings

Code: E85SE3.

## Specifications

### DC power supply

| | |
|---|---|
| Installation category | CAT II 1500 V |
| Consumption | 3.6 W |
| Nominal voltage | 24 V ±10% |

### Mechanical characteristics

| | |
|---|---|
| Size (mm) width x height x depth | 362 x 114 x 94.5 (mm) |
| Envelope | Self-extinguishing V0 plastic |
| Fastening | DIN rail |
| Weight (kg) | 0,835 |

### Environmental characteristics

| | |
|---|---|
| Protection class | IP 00 |
| Relative humidity (without condensation) | 5 ... 95 % |
| Installation, location, position. | 3000 m |
| Storage temperature | -25...+80 °C |
| Working temperature | -25...+70 °C |

### Current measurement circuit

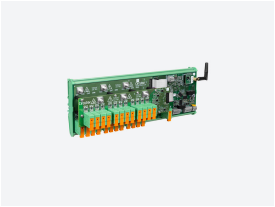
| | |
|---|---|
| Installation category | CAT II 1500 V |
| Consumption | 1 Chanel: 1.0125 W |
| Impedance | 0.5 mΩ |
| Phase current measuring range | 0.1 ... 30 A DC |
| Minimum current measurement | 0.1 A |

### Voltage measurement circuit

| | |
|---|---|
| Installation category | CAT II 1500 V |
| Input impedance | 2400 kΩ |
| Voltage measuring range | -25 ... -1500 Vdc |
| Maximum input voltage consumption | 0,625 mA |
| Minimum measurement voltage (Vstart) | -25 V |

### Input

| | |
|---|---|
| Accuracy | ± 3°C |
| Range | -30 ... 100°C |
| Resolution | ±0,1 mA |
| Type | Pt100/1000 |



# STM-S-24-F868

Analyser for photovoltaic strings

Code: E85SE3.

## Standards

| | |
|---|---|
| Electrical safety, Maximum height (m) | 3000 |
| Electrical safety, Installation category | Protection against electric shock: Double class II insulation |
| Standards | EN 61000-6-2, EN 61000-6-4, EN 61010-1, EN 61010-2-30 |

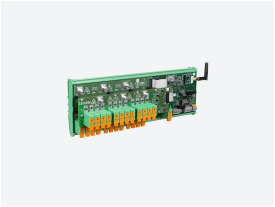
## User interface

| | |
|---|---|
| LED | 4 |

## Digital inputs

| | |
|---|---|
| Input/output insulation | Optoisolated |
| Quantity | 3 |
| Type | Potential free contact |
| Maximum short-circuit current | 3.2 mA |
| Maximum open circuit voltage | 24 V |

The minimum configuration of the STM solution is made up of an STM-C module and an STM-S module



# STM-S-24-F868

Analyser for photovoltaic strings

Code: E85SE3.

## Dimensions

## Connections